

Surgical Appliance and Supplies Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
339113, Surgical appliance and supplies manufacturing	2002...	1 607	1 845	109 885	4 431 027	64 964	128 549	1 851 778	17 259 043	7 325 525	24 515 091	931 317
	2001...	N	N	96 914	3 858 504	59 183	115 522	1 558 189	14 356 241	6 587 206	20 859 502	770 090
	2000...	N	N	98 956	3 860 516	62 036	118 247	1 581 429	13 218 738	6 358 969	19 453 188	724 640
	1999...	N	N	93 765	3 540 461	59 260	112 865	1 530 525	11 981 133	6 069 124	17 846 225	762 976
	1998...	N	N	91 574	3 488 634	57 380	109 760	1 444 610	11 331 734	5 804 073	17 043 966	801 738
	1997...	1 511	1 645	85 646	2 982 742	53 682	100 724	1 261 161	9 863 213	5 284 395	15 233 098	565 014

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
339113, Surgical appliance and supplies manufacturing												
United States	2	1 845	648	109 885	4 431 027	64 964	128 549	1 851 778	17 259 043	7 325 525	24 515 091	931 317
Alabama	—	29	14	1 235	32 617	965	1 961	22 597	73 962	51 911	132 885	9 776
Arizona	3	40	11	2 683	130 693	1 480	2 426	54 571	511 193	171 144	674 424	18 830
Arkansas	—	19	3	203	8 443	90	176	3 727	20 085	12 577	32 307	857
California	2	256	104	19 127	820 744	11 315	22 772	329 088	3 239 398	1 027 244	4 283 170	129 980
Colorado	1	40	7	1 064	28 617	355	761	9 429	63 064	43 439	105 369	14 625
Connecticut	2	27	9	688	27 952	424	701	8 500	73 949	55 293	129 560	5 298
Florida	1	120	31	7 263	308 048	2 870	5 755	79 238	1 032 053	269 670	1 275 890	49 274
Georgia	4	32	12	2 582	106 353	1 644	3 424	49 654	425 222	264 057	688 163	21 959
Illinois	5	62	22	2 218	79 019	1 625	3 323	36 279	184 321	107 812	290 528	14 040
Indiana	—	39	15	6 617	309 054	4 286	9 181	152 988	2 396 186	445 734	2 806 462	152 723
Iowa	5	13	3	126	4 208	93	182	1 765	9 413	4 754	14 149	815
Kansas	3	14	5	323	11 412	209	388	4 480	34 942	20 932	56 086	1 360
Kentucky	—	24	7	783	24 157	625	1 174	13 281	62 467	64 356	126 852	2 235
Maryland	2	30	8	596	30 516	302	550	9 638	77 790	48 564	121 079	2 570
Massachusetts	1	46	25	3 613	154 958	2 364	4 998	77 323	602 262	171 190	777 506	23 613
Michigan	4	63	23	2 972	138 748	1 768	3 639	55 884	462 908	252 123	708 501	16 454
Minnesota	2	51	21	3 032	144 604	1 592	3 161	48 379	386 952	157 787	536 107	22 596
Mississippi	6	16	4	660	24 164	414	743	8 410	29 177	25 712	63 339	3 429
Missouri	2	37	11	1 200	40 647	810	1 533	21 221	169 385	87 745	256 752	6 128
Nevada	3	12	1	103	3 479	72	155	1 648	15 419	5 419	21 097	1 010
New Jersey	—	52	28	8 755	327 945	3 168	5 913	100 620	1 486 126	560 881	2 078 484	67 396
New York	1	123	36	3 808	130 603	2 623	5 387	66 965	348 640	216 648	567 913	23 266
North Carolina	2	53	18	3 332	111 453	2 504	4 939	59 591	371 705	315 035	685 170	23 714
Ohio	—	88	41	6 212	237 116	3 946	7 934	109 430	798 185	498 390	1 295 827	37 993
Oklahoma	7	11	2	295	12 656	205	282	5 522	54 348	9 803	65 475	3 065
Oregon	2	23	5	258	9 350	189	383	5 101	22 132	13 124	34 822	1 295
Pennsylvania	2	108	38	6 911	280 609	3 533	6 942	90 399	815 304	771 887	1 567 173	50 782
Rhode Island	—	10	2	432	17 246	173	317	3 816	44 649	33 663	77 319	3 016
South Carolina	1	17	10	1 397	47 443	1 066	2 157	26 634	261 005	139 131	397 244	20 647
Tennessee	1	40	19	4 020	187 394	1 603	3 337	46 106	781 733	262 230	999 344	73 742
Texas	2	127	37	7 038	264 406	5 115	10 202	142 311	907 022	472 045	1 394 593	46 399
Virginia	4	34	10	1 271	47 204	856	1 713	25 546	182 486	145 110	328 390	16 190
Washington	4	34	14	857	32 848	588	977	14 636	79 931	43 064	122 531	7 545
Wisconsin	4	37	15	1 591	54 240	1 123	2 145	29 471	145 081	67 909	212 163	8 301

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
339113, Surgical appliance and supplies manufacturing	
Companies ¹	number.. 1 607
All establishments ²	number.. 1 845
Establishments with 1 to 19 employees	number.. 1 197
Establishments with 20 to 99 employees	number.. 421
Establishments with 100 employees or more	number.. 227
All employees ³	number.. 109 885
Total compensation	\$1,000.. 5 466 495
Annual payroll	\$1,000.. 4 431 027
Total fringe benefits	\$1,000.. 1 035 468
Production workers, average for year	number.. 64 964
Production workers on March 12	number.. 65 680
Production workers on May 12	number.. 66 059
Production workers on August 12	number.. 64 893
Production workers on November 12	number.. 63 089
Production worker hours	1,000.. 128 549
Production worker wages	\$1,000.. 1 851 778
Total cost of materials	\$1,000.. 7 325 525
Materials, parts, containers, packaging, etc., used	\$1,000.. 6 038 528
Resales	\$1,000.. 847 846
Purchased fuels	\$1,000.. 27 914
Purchased electricity	\$1,000.. 105 865
Contract work	\$1,000.. 305 372
Quantity of electricity purchased for heat and power	1,000 kWh.. 1 609 806
Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total value of shipments	\$1,000.. 24 515 091
Primary products value of shipments	\$1,000.. 21 635 065
Secondary products value of shipments	\$1,000.. 1 512 583
Total miscellaneous receipts	\$1,000.. 1 367 443
Value of resales	\$1,000.. 1 180 206
Contract receipts	\$1,000.. 97 953
Other miscellaneous receipts	\$1,000.. 89 284
Primary products specialization ratio	percent.. 93
Value of primary products shipments made in all industries	\$1,000.. 22 843 526
Value of primary products shipments made in this industry	\$1,000.. 21 635 065
Value of primary products shipments made in other industries	\$1,000.. 1 208 461
Coverage ratio	percent.. 95
Value added	\$1,000.. 17 259 043
Total inventories, beginning of year	\$1,000.. 3 349 191
Finished goods inventories	\$1,000.. 1 801 102
Work-in-process inventories	\$1,000.. 464 449
Materials and supplies inventories	\$1,000.. 1 084 927
Total inventories, end of year	\$1,000.. 3 375 888
Finished goods inventories	\$1,000.. 1 824 911
Work-in-process inventories	\$1,000.. 510 117
Materials and supplies inventories	\$1,000.. 1 040 928
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 7 286 183
Total capital expenditures (new and used)	\$1,000.. 931 317
Buildings and other structures (new and used)	\$1,000.. 199 465
Machinery and equipment (new and used)	\$1,000.. 731 852
Automobiles, trucks, etc., for highway use	\$1,000.. 22 870
Computers and peripheral data processing equipment	\$1,000.. 163 067
All other expenditures for machinery and equipment	\$1,000.. 545 915
Total retirements	\$1,000.. 494 563
Gross value of depreciable assets at end of year	\$1,000.. 7 722 937
Depreciation charges during year	\$1,000.. 628 357
Total rental payments	\$1,000.. 218 306
Buildings and other structures	\$1,000.. 148 759
Machinery and equipment	\$1,000.. 69 547
Total other expenses ⁴	\$1,000.. 2 357 411
Response coverage ratio ⁵	percent.. 77
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 97 723
Communications services ⁴	\$1,000.. 51 791
Legal services ⁴	\$1,000.. 113 386
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 34 095
Advertising and promotional services ⁴	\$1,000.. 417 806
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 40 747
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 11 960
Management consulting and administrative services ⁴	\$1,000.. 186 638
Taxes and license fees ⁴	\$1,000.. 49 851
All other expenses ⁴	\$1,000.. 1 353 415

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
339113, Surgical appliance and supplies manufacturing											
All establishments	2	1 845	109 885	4 431 027	64 964	128 549	1 851 778	17 259 043	7 325 525	24 515 091	931 317
Establishments with—											
1 to 4 employees	8	627	1 270	48 849	939	1 629	21 582	133 705	72 007	205 612	9 903
5 to 9 employees	6	320	2 165	92 672	1 481	2 883	39 330	251 577	127 606	379 830	18 732
10 to 19 employees	5	250	3 461	145 020	2 135	4 133	62 602	401 425	254 222	653 578	26 089
20 to 49 employees	2	299	9 167	329 775	6 223	12 092	157 776	935 700	481 785	1 405 715	61 427
50 to 99 employees	3	122	8 751	298 366	5 824	11 101	134 857	762 963	474 029	1 237 930	44 439
100 to 249 employees	1	124	19 766	738 836	13 156	24 976	350 722	2 198 224	1 421 880	3 602 639	124 222
250 to 499 employees	2	63	22 067	868 722	13 878	28 155	395 916	3 220 527	1 810 014	5 078 719	196 673
500 to 999 employees	2	25	16 341	727 436	9 333	19 838	309 426	3 218 291	1 328 435	4 521 682	176 889
1,000 to 2,499 employees	—	12	17 678	843 853	8 708	17 451	274 261	4 935 074	995 360	5 919 567	212 735
2,500 employees or more	3	3	9 219	337 498	3 287	6 291	105 306	1 201 557	360 187	1 509 819	60 208
Administrative records ⁴	9	797	3 182	133 356	2 379	4 546	57 050	330 114	200 182	530 278	27 365

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
339113	Surgical appliance and supplies manufacturing	1 845	109 885	4 431 027	64 964	128 549	1 851 778	17 259 043	7 325 525	24 515 091	931 317
3391132	Medical and surgical appliances and supplies, including orthopedic, prosthetic, and therapeutic appliances and supplies	576	84 129	3 528 264	47 195	94 224	1 431 262	14 731 143	5 410 675	20 086 783	757 718
3391136	Personal industrial and nonindustrial safety equipment and clothing	147	15 677	514 867	10 720	21 054	249 735	1 574 891	1 366 702	2 918 122	93 465

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
339113	Surgical appliance and supplies manufacturing	2002.. N 1997.. N	X X	X X	22 843 526 13 521 922
3391132	Medical and surgical appliances and supplies, including orthopedic, prosthetic, and therapeutic appliances and supplies	2002.. N 1997.. N	X X	X X	18 847 551 N
33911321	Artificial joints and limbs	2002.. N 1997.. N	X X	X X	3 992 140 N
3391132101	Artificial joints	2002.. 30 1997.. N	X X	X X	3 853 102 N
3391132104	Artificial limbs	2002.. 56 1997.. N	X X	X X	139 038 N
33911322	Other orthopedic and prosthetic appliances	2002.. N 1997.. N	X X	X X	2 406 408 N
3391132207	Orthopedic and prosthetic mechanical braces	2002.. 46 1997.. N	X X	X X	303 632 N
3391132211	Orthopedic and prosthetic elastic braces, suspensories, and supports	2002.. 31 1997.. N	X X	X X	217 377 N
3391132214	Orthopedic and prosthetic elastic stockings	2002.. 12 1997.. N	X X	X X	66 531 N
3391132221	Orthopedic and prosthetic splints and trusses	2002.. 22 1997.. N	X X	X X	50 943 N
3391132224	Orthopedic and prosthetic crutches, canes, and other walking assistance appliances	2002.. 13 1997.. N	X X	X X	49 010 N
3391132227	Orthopedic and prosthetic arch supports and other foot appliances	2002.. 46 1997.. N	X X	X X	266 676 N
3391132231	Intraocular lenses	2002.. 11 1997.. N	X X	X X	130 739 N
3391132235	Other orthopedic and prosthetic appliances, including surgical corsets	2002.. 75 1997.. N	X X	X X	1 321 500 N
33911323	Surgical dressings	2002.. N 1997.. N	X X	X X	1 600 961 N
3391132337	Surgical dressings, elastic bandages	2002.. 11 1997.. N	X X	X X	D N
3391132341	Surgical dressings, other bandages, including muslin and plaster of Paris, excluding self-adhering bandages	2002.. 6 1997.. N	X X	X X	D N
3391132344	Surgical dressings, adhesive plaster, medicated and nonmedicated, including self-adhering bandages	2002.. 12 1997.. N	X X	X X	293 511 N
3391132347	Surgical dressings, gauze, absorbent and packing	2002.. 10 1997.. N	X X	X X	101 410 N
3391132351	Surgical dressings, cotton, sterile and nonsterile, including cotton balls	2002.. 13 1997.. N	X X	X X	192 517 N
3391132354	Other surgical dressings, including compresses, pads, and sponges	2002.. 26 1997.. N	X X	X X	630 111 N
33911324	Disposable surgical drapes, including obstetric and operating room packs	2002.. N 1997.. N	X X	X X	447 953 N
3391132457	Disposable surgical drapes, including obstetric and operating room packs	2002.. 19 1997.. N	X X	X X	447 953 N
33911325	Other medical and surgical appliances and supplies	2002.. N 1997.. N	X X	X X	6 737 247 N
3391132581	Hydrotherapy appliances, including full-body and limb tanks	2002.. 6 1997.. N	X X	X X	32 972 N
3391132584	Other therapeutic appliances and supplies, excluding electromedical and hydrotherapy appliances and supplies	2002.. 55 1997.. N	X X	X X	687 676 N
3391132587	Surgical kits	2002.. 14 1997.. N	X X	X X	677 132 N
3391132588	Stents	2002.. 22 1997.. N	X X	X X	2 023 382 N
3391132592	Other medical and surgical appliances and supplies, excluding parts	2002.. 119 1997.. N	X X	X X	3 001 232 N
3391132594	Parts for medical and surgical appliances and supplies	2002.. 45 1997.. N	X X	X X	314 853 N
33911326	All other surgical appliances and supplies	2002.. N 1997.. N	X X	X X	2 265 104 N
3391132667	Sterile surgical sutures	2002.. 6 1997.. N	X X	X X	358 612 N
3391132669	Rubber medical and surgical gloves, including rubber household gloves	2002.. 10 1997.. N	X X	X X	113 862 N
3391132671	Breathing devices (including incubators, inhalators, respirators, and resuscitators), excluding anesthetic apparatus	2002.. 32 1997.. N	X X	X X	728 239 N
3391132674	Wheelchairs	2002.. 23 1997.. N	X X	X X	520 436 N
3391132677	Other patient transport devices (including stretchers, tables, and wheeled chairs), excluding wheelchairs	2002.. 31 1997.. N	X X	X X	543 955 N
3391132Y	Medical and surgical appliances and supplies, including orthopedic, prosthetic, and therapeutic appliances and supplies, nsk	2002.. N 1997.. N	X X	X X	1 397 738 N
3391132YVV	Medical and surgical appliances and supplies, including orthopedic, prosthetic, and therapeutic appliances and supplies, nsk	2002.. N 1997.. N	X X	X X	1 397 738 N

See footnotes at end of table.

Table 6a. **Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
339113	Surgical appliance and supplies manufacturing—Con.				
3391136	Personal industrial and nonindustrial safety equipment and clothing	2002.. N	X	X	2 671 160
		1997.. N	X	X	N
33911361	Personal industrial and nonindustrial safety equipment and clothing	2002.. N	X	X	2 307 632
		1997.. N	X	X	N
3391136101	Respiratory protection equipment, including abrasive masks, canister masks, and gas masks	2002.. 35	X	X	684 682
		1997.. N	X	X	N
3391136106	Industrial helmets (hardhats)	2002.. 12	X	X	172 992
		1997.. N	X	X	N
3391136111	Eye and face protection equipment, including face shields, masks, and welding helmets (excluding eye protectors and industrial goggles)	2002.. 30	X	X	195 047
		1997.. N	X	X	N
3391136114	Industrial rubber gloves	2002.. 4	X	X	37 284
		1997.. N	X	X	N
3391136116	Other protective clothing (except footwear and gloves), including rubber and rubberized protective clothing	2002.. 65	X	X	738 164
		1997.. N	X	X	N
3391136121	First aid, snake bite, and burn kits, including household and industrial kits	2002.. 18	X	X	45 380
		1997.. N	X	X	N
3391136131	Other personal safety equipment, including life preservers (buoys, jackets, and vests) (except cork life preservers), and auto racing and motorcycle helmets	2002.. 70	X	X	434 083
		1997.. N	X	X	N
3391136Y	Personal industrial and nonindustrial safety equipment and clothing, nsk	2002.. N	X	X	363 528
		1997.. N	X	X	N
3391136YVV	Personal industrial and nonindustrial safety equipment and clothing, nsk	2002.. N	X	X	363 528
		1997.. N	X	X	N
339113W	Surgical appliance and supplies manufacturing, nsk, total	2002.. N	X	X	1 324 815
		1997.. N	X	X	933 650
339113WY	Surgical appliance and supplies manufacturing, nsk, total	2002.. N	X	X	1 324 815
		1997.. N	X	X	933 650
339113WYWW	Surgical appliance and supplies manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	832 815
		1997.. N	X	X	613 470
339113WYWY	Surgical appliance and supplies manufacturing, nsk, for administrative-record establishments	2002.. N	X	X	492 000
		1997.. N	X	X	320 180

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p–10 to 19 percent estimated; q–20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3391132	Medical and surgical appliances and supplies, including orthopedic, prosthetic, and therapeutic appliances and supplies	
	United States	2002.. 18 847 551
		1997.. N
	Alabama	2002.. 62 717
		1997.. N
	Arizona	2002.. 575 044
		1997.. N
	Arkansas	2002.. 21 589
		1997.. N
	California	2002.. 3 507 475
		1997.. N
	Colorado	2002.. 73 526
		1997.. N
	Connecticut	2002.. 206 860
		1997.. N
	Florida	2002.. 1 120 410
		1997.. N
	Georgia	2002.. 586 043
		1997.. N
	Illinois	2002.. 178 761
		1997.. N
	Indiana	2002.. 2 555 771
		1997.. N
	Iowa	2002.. 5 615
		1997.. N
	Kansas	2002.. 30 687
		1997.. N
	Kentucky	2002.. 48 168
		1997.. N
	Maryland	2002.. 52 132
		1997.. N
	Massachusetts	2002.. 612 441
		1997.. N
	Michigan	2002.. 426 620
		1997.. N
	Minnesota	2002.. 472 469
		1997.. N
	Mississippi	2002.. 40 829
		1997.. N
	Missouri	2002.. 130 275
		1997.. N
	New Jersey	2002.. 2 019 905
		1997.. N
	New York	2002.. 351 359
		1997.. N
	North Carolina	2002.. 349 977
		1997.. N
	Ohio	2002.. 842 222
		1997.. N
	Oregon	2002.. 17 180
		1997.. N
	Pennsylvania	2002.. 881 241
		1997.. N
	South Carolina	2002.. 315 050
		1997.. N
	Tennessee	2002.. 777 092
		1997.. N
	Texas	2002.. 1 170 946
		1997.. N
	Virginia	2002.. 265 765
		1997.. N
	Washington	2002.. 85 839
		1997.. N
	Wisconsin	2002.. 125 614
		1997.. N
3391136	Personal industrial and nonindustrial safety equipment and clothing	
	United States	2002.. 2 671 160
		1997.. N
	Alabama	2002.. 44 654
		1997.. N
	Arizona	2002.. 95 314
		1997.. N
	California	2002.. 236 500
		1997.. N
	Colorado	2002.. 22 717
		1997.. N
	Connecticut	2002.. 22 066
		1997.. N
	Florida	2002.. 73 234
		1997.. N
	Illinois	2002.. 83 552
		1997.. N
	Indiana	2002.. 10 305
		1997.. N
	Maryland	2002.. 5 333
		1997.. N
	Massachusetts	2002.. 79 235
		1997.. N
	Michigan	2002.. 97 986
		1997.. N
	Missouri	2002.. 16 357
		1997.. N
	New Jersey	2002.. 31 825
		1997.. N
	New York	2002.. 38 473
		1997.. N
	Ohio	2002.. 114 356
		1997.. N
	Pennsylvania	2002.. 649 510

See footnotes at end of table.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997—Con.

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3391136	Personal industrial and nonindustrial safety equipment and clothing—Con.	
	United States—Con.	
	1997..	N
	Texas	2002.. 46 561
	1997..	N
	Virginia	2002.. 15 807
	1997..	N
	Washington	2002.. 18 665
	1997..	N
	Wisconsin	2002.. 5 130
	1997..	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
339113	Surgical appliance and supplies manufacturing		
00900001	Total materials .....2002..	X	6 038 528
	.....1997..	X	4 235 264
33441200	Printed circuit boards (without inserted components) for electronic circuitry .....2002..	X	D
	.....1997..	X	N
001900C4	Printed circuit assemblies, loaded boards, and modules (printed circuit boards with inserted electronic components) .....2002..	X	63 643
	.....1997..	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components .....2002..	X	35 822
	.....1997..	X	97 807
33593101	Current-carrying wiring devices .....2002..	X	33 303
	.....1997..	X	N
33531201	Electric motors and generators .....2002..	X	72 652
	.....1997..	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	59 826
	.....1997..	X	37 369
332000A7	Metal boilers, condensers, and parts (excluding forgings) .....2002..	X	191 056
	.....1997..	X	N
33151001	Iron and steel castings (rough and semifinished) .....2002..	X	140 192
	.....1997..	X	69 906
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) .....2002..	X	31 286
	.....1997..	X	21 814
33120001	Steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	143 546
	.....1997..	X	72 464
331000AJ	Nonferrous metal shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	62 790
	.....1997..	X	49 345
31323000	Nonwoven fabrics .....2002..	X	195 138
	.....1997..	X	N
31321017	Broadwoven fabrics .....2002..	X	269 036
	.....1997..	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	171 687
	.....1997..	X	118 850
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	210 488
	.....1997..	X	132 220
32610009	Fabricated plastics products .....2002..	X	246 883
	.....1997..	X	135 252
32600017	Fabricated rubber products (excluding tires, tubes, hose, belting, and gaskets) .....2002..	X	35 287
	.....1997..	X	25 606
33910000	Surgical and orthopedic supplies (including sutures and hypodermic needles for further manufacture or assembly) .....2002..	X	691 822
	.....1997..	X	568 409
332000A9	Sheet metal products (excluding stampings) .....2002..	X	D
	.....1997..	X	N
32552001	Adhesives and sealants .....2002..	X	76 232
	.....1997..	X	30 954
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	134 319
	.....1997..	X	112 896
32210015	Paper and paperboard products (excluding paperboard boxes, containers, and corrugated paperboard) .....2002..	X	71 040
	.....1997..	X	73 518
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	1 652 034
	.....1997..	X	1 558 628
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	1 386 950
	.....1997..	X	1 130 226

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.